

On Linear Regression Estimates, by  
A. A. Tsepal'man.  
RUSSIAN, per. Dokl. Akad. Nauk SSSR, Ser. Math.  
Vol 191, No 4, 1970, pp 772-775.  
The American Mathematical Society  
Vol 11, No 21 1970

Oct 70

On Universally Optimal Convexity Formulas, by  
V. D. Casanikov.

RUSSIAN, par. Dokl. Ak. Nauk SSSR, Izv. Math.  
Vol 191, No 4, 1978, pp 776-778.  
The American Mathematical Society  
Vol 11, No 2, 1970

Oct 70

Origin and Development of Thermal Convection in  
a Viscous Fluid Layer, by A. G. Marshakov.  
RUSSIAN, per. Eng. Ak. Nauk SSSR, Phys., Vol 191,  
No 4, 1970, pp 779-782.  
The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

On the Existence of an Internal Shock Wave  
in Gas Flow Around a Blunt Cone, by

A. N. Lyubimov.

RUSSIAN, per: Dok Ak Nauk SSSR, Phys, Vol 191,  
No 4, 1970, pp 783-786.

The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

A Three-Dimensional Problem in the Theory of  
Elasticity for the Domain Contained Between  
Two Parallel Planes, by I. M. Eshpport.  
RUSSIAN, per, Dok Ak Nauk SSSR, Phys, Vol 191,  
No 4, 1970, pp 787-790.  
The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

Determination of the Coordinates of Some  
Galactic Sources of Anomalous Excited  
Hydroxyl, by N. V. Bystrava.  
RUSSIAN, per. Dok Ak Nauk SSSR, Phys, Vol 191,  
No 4, 1970, pp 791-794.  
The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

Receiving Power of a Volume Hologram as an  
Optical Imaging System, by V. V. Aristov.  
RUSSIAN, pub. Ak. Nauk SSSR, Phys., Vol 191,  
No 4, 1970, pp 795-798.  
The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

Recording a Large Number of Images by the  
Superposition of Holograms, by A. L. Mikheyev.  
RUSSIAN, per: Dok Ak Nauk SSSR, Phys, Vol 191,  
No 4, 1970, pp 799-800.  
The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

Experimental Verification of the Atom Model of  
the Scattering of Ions by Crystals, by  
U. Muller-Jahrain.

RUSSIAN, FOR: Dokl. Akad. Nauk SSSR, Phys, Vol 191,  
No 4, 1970, pp 601-604.  
The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

The Possibility of Induced Intensification of  
Characteristic X Radiation, by Ya. L. Stankevich.  
RUSSIAN, per. Dok Ak Nauk SSSR, Phys, Vol 191,  
No 4, 1970, pp 803-806.  
The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

Curves of the Dispersion of Magnetic Rotation and  
Dispersion of Refractive Index of the  $\text{La}^{3+}$  Ion in  
an Aqueous Solution of  $\text{LaCl}_3$ , by S. M. Shukareva.  
RUSSIAN, FOR: Dok Ak Nauk SSSR, Phys, Vol 191,  
No 4, 1970, pp 607-610.  
The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

Effect of Deviations from the Stoichiometric  
Composition on the Properties of the Semi-  
conductor  $Cd_{1-x}As_2$ , by G. K. Arakhiyeva.  
RUSSIAN, per, Dok Ak Nauk SSSR, Phys, Vol 191,  
No 6, 1970, pp 811-813.  
The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

Frictional Properties of Elastomers in Vacuum  
Under High Normal Pressures, by A. I. Yel'kin.  
RUSSIAN, per, Dok Ak Nauk SSSR, Phys, Vol 191,  
No 4, 1970, pp 814-817.  
The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

Zones and Modulated Structures in Aging Aluminum-Zinc Alloys, by G. V. Kleshchikov.  
RUSSIAN, per: Dokl Ak Nauk SSSR, Phys, Vol 191,  
No 4, 1970, pp 818-820.  
The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

Physicochemical Mechanism of Water Imbibition in  
the Case of Selective Transfer, by A. A. Polyakov.  
RUSSIAN, per, Acta Phys USSR, Phys, Vol 191,  
No 4, 1970, pp 821-823.  
The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

Visual Estimates of the Twilight Sky Color From  
the Soyuz-5 Spaceship Observations, by.

K. Ya Kondratyev, 6 pp.

RUSSIAN, per, Dokl Akad Nauk SSSR, Vol 191, No 4,  
1970, pp 824-825.

NASA TT F 13882

NTC 72-10798-04A

Oct 71

Kinetic Rules for Catalytic Reactions in the  
Pulsed Micromethod, by T. V. Antipina.  
RUSSIAN, per, Doc Ak Mosk 3532, Phys Chem,  
Vol 191, No 4, Apr 1970, pp 849-851.  
CB

Jan 71

Composition Effects on the Luminescence of  
Alkali-Silicate Neodymium Glasses, by  
L. N. Ruzhinokiy.

RUSSIAN, per. Dok Ak Nauk SSSR, Phys Chem,  
Vol 191, No 4, Apr 1970, pp 852-854.

CB

Jan 71

Effect of the Chemical State of the Surface on  
the Annihilation Characteristics of Positronium  
in Porous Systems, by V. I. Gol'danskiy.  
RUSSIAN, par, Dok Ak Nauk SSSR, Phys Chem,  
Vol 191, No 4, Apr 1970, pp 455-458.  
CB

Jan 71

The Thermal Stability of Modified Water, by  
B. V. Deryagin.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem.

Vol 191, No 4, Apr 1970, pp 859-861.

CS

JRS-50769

Jan 71

**IR Spectra and Structure of Butenyllithium,  
by Ye. R. Dolinskaya.**

**RUSSIAN, par. Dok Ak Nauk SSSR, Phys Chem,  
Vol 191, No 4, Apr 1970, pp 862-865.**

**CB**

**Jan 71**

Direct Determination of Gibbs Elasticity of  
Liquid Films, by V. V. Krotov.

RUSSIAN, pub. Dok Ak Nauk SSSR, Phys Chem,  
Vol 191, No 4, Apr 1970, pp 866-868.

CB

Jan 71

**Thermodynamic Analysis of Binary "Subregular"  
Solutions, by A. N. Men'.**

**RUSSIAN, per. Dok Ak Nauk SSSR, Phys Chem,  
Vol 191, No 4, Apr 1970, pp 868-871.**

**CE**

**Jan 71**

**Potential Barrier and Vibrational Activation  
in Four-Center Exchange Reactions, by**

**P. B. Moia.**

**RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,  
Vol 191, No 4, Apr 1970, pp 872-875.**

**CE**

**Jan 71**

Strength Reduction of Alkali Chloride Crystals  
by Adsorption, by V. Ya. Trahtin.

RUSSIAN, per. Dok Ak Nauk SSSR, Phys Chem,  
Vol 191, No 4, Apr 1970, pp 876-879.  
CB

Jan 71

RNA Content in Somatic Cells of Polyploid Forms of  
Mulberry (*Morus L.*) by M. A. Aiz-Zadeh  
RUSSEAN, per, Dok Ak Nauk SSSR, Mol Sci., Vol. 191,  
No. 4, April, 1970, pp 939-940.  
CB

Doc 70

Influence of Breed and Correlative Variability on  
the Quality of Chicken Eggs by I. G. Molosova  
RUSSIAN, per, Dok Ak Nauk SSSR, Mol Sci., Vol. 191,  
No. 4, April, 1970, pp 941-944.  
CB

Dec 70

Study of the Flagellar Apparatus of *Bacillus*  
*stearothermophilus* and *Bacillus coagulans*,

by R. S. Golovachova

RUSSIAN, per, Dok Ak Nauk SSSR, Mol Biol, Vol. 191,  
No. 4, April, 1970, pp. 945-947.

CB

Dec 70

Role of Endogenous Histamine in the Protective  
Effect of Radioprotectors, by L. N. Goncharenko.  
RUSSIAN, per, Dok Ak Nauk SSSR, Biokhimiya,  
Vol 191, No 4, Apr 1970, pp 944-950.  
CB

Jan 71

Use of Insoluble Inhibitors for Stopping  
Reactions of Proteolysis, by V. S. Maslov.  
RUSSIAN, par. Int Ak Syst SSSR, Biochem,  
Vol 191, No 4, Mar 1970, pp 951-952.  
CB

Jan 71

Arctostaphyloids *Caragana arborescens* LAM., by  
H. V. Tutin.

RUSSIAN, par, ~~Dok. Ak. Nauk SSSR~~, Dok. Sci., Vol 191,  
No 4, April 1970, pp 953-956.

☉

Jan 71

**Polysaccharides in the Umbilical Cord of Karakul  
Sheep, by T. Yu. Kozomly.**  
**RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol. 191,  
No. 4, April, 1970, pp 957-959.**  
CB

Dec 70

On the Relative Frequency of Solution of  
Algorithmically Unsolvable Mass Problems, by  
Ja. M. Borzina<sup>1</sup>,

RUSSIAN, per. Dok Ak Nauk SSSR, Ser. Math.

Vol 191, No 5, 1970, pp 967-970,

The American Mathematical Society

Vol 11, No 2, 1970

Oct 70

On Necessary and Sufficient Conditions for the  
Occurrence of Markov Spectrum Points in the  
Lagrange Spectrum, by A. A. Borstein.

RUSSIAN, per. Dokl. Ak. Nauk SSSR, Ser. Math.

Vol 191, No 5, 1970, pp 971-973.

The American Mathematical Society

Vol 11, No 2, 1970

Oct 70

**Investigations on Multidimensional Limit Theorems  
of the Theory of Probability, by A. Mikjalis.**

**RUSSIAN, per. Dok. Ak. Nauk SSSR, Ser. Math.**

**Vol 191, No 5, 1970, pp 974-976.**

**The American Mathematical Society**

**Vol 11, No 2, 1970**

**Oct 70**

On Trajectories of Systems with Right-Hand Side  
of Extremal Kind, by Ju. I. Gil'farman.

RUSSIAN, per. Dokl Ak Nauk SSSR, Ser. Math.

Vol 191, No 5, 1970, pp 977-978.

The American Mathematical Society,

Vol 11, No 2, 1970

Oct 70

On a Formula for the Representation of the Fundamental Solution of a Differential Equation by a Functional Integral, by N. A. Dygrafov,  
REUSIAS, per. Dok. Ak. Nauk SSSR, Ser. Math.  
Vol 191, No 5, 1970, pp 979-982.  
The American Mathematical Society  
Vol 11, No 2, 1970

Oct 70

Determination of the Fiducial Distribution for  
a Multidimensional Normal Population, by

G. P. Klimov.

RUSSIAN, per. Dok Ak Nauk SSSR, Ser. Math.

Vol 191, No 5, 1970, pp 983-984.

The American Mathematical Society

Vol 11, No 2, 1970

Oct 70

On Polyhedral Representations of Metric Spaces,  
by I. M. Kozlovskii.

RUSSIAN, par. Dokl. Akad. Nauk SSSR, Ser. Math.

Vol 191, No 5, 1970, pp 985-988

The American Mathematical Society

Vol 11, No 2, 1970

Oct 70

On the Complexity of Some Problems for Groups  
and Semigroups, by Z. I. Mitvinskaya.

RUSSIAN, per. Dokl. Ak. Nauk SSSR, Ser. Math.

Vol 191, No 5, 1970, pp 989-992.

The American Mathematical Society

Vol 11, No 2, 1970

Oct 70

A New Algorithm of the Monte Carlo Method for  
the Estimation of the Maximal Eigenvalue of an  
Integral Operator, by G. A. Mikhailov.

RUSSIAN, per. Dokl. Ak. Nauk SSSR, Ser. Math.

Vol 191, No 5, 1970, pp 993-996.

The American Mathematical Society

Vol 11, No 2, 1970

Oct 70

Equations with Singular Coefficients of the  
Type of the Delta Function and Its Derivatives,

by G. G. Gerasimov,

RUSSIAN, per, Dokl. Akad. Nauk SSSR, Ser. Math.

Vol 191, No 5, 1970, pp 997-1000,

The American Mathematical Society

Vol 11, No 2, 1970

Oct 70

On the Fluctuation of the Sequences of Fejer Sums,  
by G. I. Rybnikova.

RUSSIAN, per. Dok Ak Nauk SSSR, Ser. Math.  
Vol 191, No 5, 1970, pp 1001-1003.  
The American Mathematical Society  
Vol 11, No 2, 1970

Oct 70

On the Complexity of Algorithms Connected with  
the Realization of Logico-Arithmetic and Pro-  
positional Formulas, by V. I. Kuz's.

RUSSIAN, par. Dok Ak Nauk SSSR, Ser. Math.  
Vol 191, No 5, 1970, pp 1000-1006.  
The American Mathematical Society  
Vol 11, No 2, 1970

Oct 70

Effect of the Coriolis Force on the Reflection  
of Unsteady Longitudinal Waves, by S. S. Voit.  
RUSSIAN, par. Dok Ak Nauk SSSR, Phys, Vol 191,  
No 5, 1970, pp 1007-1010.  
The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

**Solution of Three-Dimensional Problems in the  
Theory of Elasticity by Means of Analytic Functions  
and Contour Integrals for Certain Nonaxisymmetric  
Bodies, by A. Ya. Aleksandrov.**

**RUSSIAN, par, Dok Ak Nauk SSSR, Phys., Vol 191,  
No 5, 1970, pp 1011-1014.**

**The Am Inst of Phys  
Vol 15, No 4, Oct 1970**

**Oct 70**

Excitation of Hysteresis in the Millimeter  
Radio-Frequency Range, by Ye. M. Gampel'skiy.  
USSRIAN, par. Doc. At Foot 2222, Izvy, Vol 191,  
No 5, 1970, pp 1015-1017.  
The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

The instability of the Pinch Effect at Low  
Density, by Yu. L. Igitkhanov.  
RUSSIAN, par. Dok Akad. Nauk SSSR, Phys, Vol 191,  
No 5, 1970, pp 1016-1021.  
The Am Inst of Phys  
Vol 15, No 4, Oct 1970

The Nature of Dislocation Loops in Hardened  
Aluminum, by M. E. Myshlyayev.  
RUSSIAN, pac. Dok Ak Nauk SSSR, Phys, Vol 191,  
No 5, 1970, pp 1022-1024.  
The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

Calculation of Fluorescence Depolarization Due  
to Change in Temperature and Concentration of  
Fluorescent Substance, by A. N. Novichko.  
RUSSIAN, per. Dok Ak Nauk SSSR, Phys., Vol 191,  
No 5, 1970, pp 1026-1027.  
The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

**On Gravitational Processes in Friedmann-Lobachevskiy  
Space, by I. G. Vikhitskiy's.**

**RUSSIAN, per, Dok Ak Nauk SSSR, Phys, Vol 191,  
1970, pp 1028-1030.**

**The Am Inst of Phys  
Vol 15, No 4, Oct 1970**

**Oct 70**

**Thermodynamic Characteristics and Technological  
Parameters of Metallurgical Processes, by  
M. Yu. Mal'shin.**

**RUSSIAN, per, Dok Ak Nauk SSSR, Phys, Vol 191,  
No 5, 1970, pp 1031-1033.**

**The Am Inst of Phys  
Vol 15, No 4, Oct 1970**

Oct 70

**Influence of Multilateral Pressure on the  
Kinetics of Collective Recrystallization in  
Metals, by A. F. Sirenko.**

**RUSSIAN, per, Dok Ak Nauk SSSR, Phys, Vol 181,  
No 5, 1970, pp 1034-1036.**

**The Am Inst of Phys**

**Vol 15, No 4, Oct 1970**

**Oct 70**

Evaluation of the Strength of Individual Contacts  
Between Crystals in Dispersed Porous Bodies, by  
Ye. D. Shchukin.

RUSSIAN, per: Dok Akad Nauk SSSR, Phys. Vol 191,  
1970, No 5, pp 1037-1040.

The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

Some Features of the Statistical Crystallization of  
NiAs in As-S Glass, by V. N. Apollonov.

RUSSIAN, par, Dok Ak Nauk SSSR, Phys. Vol 191,  
No 5, 1970, pp 1048-1049.

The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

Calculation of the Signs of Structure Amplitudes  
by a Binary Function Section of Interatomic  
Vectors, by V. I. Simonov.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys, Vol 191,  
No 5, 1970, pp 1050-1052.

The Am Inst of Phys

Vol 15, No 4, Oct 1970

Oct 70

**Spectroscopic Investigation of the Fluorescent  
and Radiationless Relaxation of Vibrationally  
Excited HF Molecules, by G. E. Vasil'ev.  
RUSSIAN, par. Dokl Ak Nauk SSSR, Phys Chem,  
Vol 191, No 5, Apr 1970, pp 1077-1080.  
CB**

Jan 71

Interphase and Bulk Structure Formation in  
Concentrated Benzene Emulsions Stabilized  
with Gelatin, by V. N. Ismailova.  
RUSSIAN, pub. Dok Ak Nauk SSSR, Phys Chem.  
Vol 191, No 5, Apr 1970, pp 1081-1083.  
CB

Jan 71

The Thermal Transformation of Oriented  
Polyacrylonitrile, by V. I. Kizatchkin.  
RUSSIAN, per, Dok Akad Nauk SSSR, Phys Chem,  
Vol 191, No 3, Apr 1970, pp 1084-1087.  
CB

Jan 71

Agency: USA Cold Regions Res. & Eng. Lab.  
File No: 71-1-46  
Title: O sushchestvovanii kvazizhidkoi plerki tunc 71  
(-13276-0)  
na poverkhi nasti l'da (existence of  
quasi-liquid films on ice surfaces).  
Authors: Kvilivtze, L.I. & Shakova, L.A.  
Source: Akademiia nauk SSSR, Doklady, v. 131(5):1000-  
1000, 1970.  
Language: Russian  
Special instructions: please translate/prepare copy

Macrokinetic Features of Radical Polymerization  
Reactions, by Ye. I. Melnikov.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,  
Vol 191, No 5, Apr 1970, pp 1091-1094.

CB

Jan 71

Heat of Polymerization of Ethylene Oxide and  
Its Polymerization Kinetics on Solid KOH, by  
V. Ya. Ostrovskiy.

RUSSIAN, DOZ. Dok Ak Nauk SSSR, Phys Chem.  
Vol 191, No 5, Apr 1970, pp 1098-1098.  
CB

Jan 71

A Comparison of the Oxidation Rates of Organic  
Substances with Various Derived Hydroxyl  
Groups, by L. G. Shevchuk.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,  
Vol 191, No 5, Apr 1970, pp 1099-1101.

CB

Jan 71

Hyperfine Structure and Nature of Exchange  
Reactions in Copper Carboxylates, by  
Ya. V. Yablakov.  
RUSSIAN, Proc. Akad. Nauk SSSR, Phys Chem,  
Vol 191, No 5, Apr 1970, pp 1102-1105.  
CB

Jan 30 71

Mechanism of Coating Formation During Chemical  
Electro Flating Complex Formation in Solutions of  
M(II) and Sodium Hypophosphite, by  
V. N. Melvadzev.

RUSSIAN, Proc. Ak. Nauk SSSR, Chem. Tech.  
Vol 191, No 5, March 1970, pp 1108-1108.

CB

Jan 71

Ultrastructural Transformations of Some  
Intracellular Membrane Systems in Carcinogenesis,  
by N. P. Dmitriev.  
RUSSIAN, per, Dok Ak Nauk SSSR, Mol Sci., Vol. 191  
No. 5, April, 1970 pp 1153-1155.  
CB

Dec 70

A Mutant of *Franseria sebbyi* Accumulating a New  
Product, by A. E. Gussnow  
RUSSELL, per, Dok Ak Nauk SSSR, Mol Biol., Vol. 191,  
No. 5, April, 1970, pp 1160-1162.  
CB

Dec 70

The Mutagenic Effect of Oncogenic Adenovirus and  
the Enzymic regulation of Organism Plasticity

by I. A. Rapoport,

RUSSIAN, per, Dok Ak Nauk SSSR, Mol Biol., Vol. 191,

No. 5, April, 1970, pp 1153-1166,

CB

Doc 70

Electron Microscopic Study of Some Stages of  
Microsporogenesis in Pollen of Sterile and Fertile  
Plants, by Academician N. V. Turina,  
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol. 191,  
No. 5, April, 1970, pp 1167-1168.  
CB

Dec 70

Effect of Single Irradiation at Different Dose  
Rates and Fractionated Exposure of Barley Seeds  
on Yield of Chromosome Aberrations,

by N. I. Maslida.

RUSSIAN, per, Dok Ak Nauk SSSR, Biokhimi.

Vol 191, No 5, Apr 1970, pp 1169-1171.

CB

Jan 71

Graphical Method of Analysis of Multisubstrate  
Enzyme Reactions, by M. N. Gol'dstein.  
RUSSIAN, DOK Ak Nauk SSSR, Biochem.  
Vol 191, No 3, Mar 1970, pp 1172-1174.  
CB

Jan 71

**Peculiarities of the Fatty Acid Composition of  
the Lipids of Flax Endosperm in Tissue Culture,  
by I. N. Davydova.**

**RUSSIAN, pub. Dokl Akad. Nauk SSSR, Biochem.  
Vol 191, No 3, Mar 1970, pp 1175-1178.**

**CB**

**Jan 71**

Effect of Polyphosphoric Acid on the Photolysis  
of Phenylalanine, by Ye. M. Lepinskaya.  
RUSSIAN, per: Dok Ak Nauk SSSR, Biochem,  
Vol 191, No 5, Mar 1970, pp 1179-1182.  
CB

Jan 71

Possible Mechanism of the Effect of Rhodopsin  
on Enzyme Activity (Inactivation of Lactate  
Dehydrogenase), by R. N. Yatsigol.  
RUSSIAN, Pub. Dok Ak Nauk SSSR, Biochem.  
Vol 191, No 5, Mar 1970, pp 1103-1105.  
CB

Jan 70 71

Mechanisms of Hormonal-Effect Transmission from  
Posterior Hypothalamus to Cerebral Cortex,  
by M. G. Amiragova  
RUSSIAN, part, Dok Ak Nauk SSSR, Biol Sci., Vol. 191,  
No. 5, April, 1970, pp 1186-1188.  
CB

Doc 70

Neurophysiological Characteristics of the Lemniscus  
Neurons of the Posterior Ventral Nucleus of the Thalamus,  
by V. S. Kobzev  
RUSSIAN, par, Dok Ak Nauk SSSR, Mol Sci., Vol. 191,  
No. 5, April, 1970, pp. 1189-1192  
CB

17 Dec

Schrodinger's Equation in Hilbert Space, by  
E. A. Berezin.  
RUSSIAN, per. Dokl. Akad. Nauk SSSR, ~~1970~~ ~~Math.~~  
Vol 191, No 6, 1970, pp 1203-1204.  
The American Mathematical Society  
Vol 11, No 2, 1970

Oct 70

On the Coburn Point of a System of Planes in  
Riemann Space, by P. K. Belshrev,  
RUSSIAN, per. Dok Ak Nauk SSSR, Ser. Math.  
Vol 191, No 6, 1970, pp 1206-1208,  
The American Mathematical Society  
Vol 11, No 2, 1970

Oct 70

Some Limit Theorems for Large Deviations of Sums  
of Independent Random Variables by  
Vassil Volf,

RUSSIAN, per, Dokl Ak Nauk SSSR, Ser. Math.  
Vol 191, No 6, 1970, pp 1209-1211,  
The American Mathematical Society  
Vol 11, No 2, 1970

Oct 70

On the Discreteness of the Spectrum of Nonself-adjoint Operators, by I. I. Galkov.

RUSSIAN, per. Dok Ak Nauk SSSR, Ser. Math.

Vol 191, No 6, 1970, pp 1212-1215.

The American Mathematical Society

Vol 11, No 2, 1970

Oct 70

Seeking a Maximum on a Bounded Set, by  
V. F. Dan'jurov.  
RUSSIAN, per. Dok Ak Nauk SSSR, Izv Math.  
Vol 191, No 6, 1970, pp 1216-1219.  
The American Mathematical Society  
Vol 11, No 2, 1970

Oct 70

On an N-Person Concave Game and a Production  
Model, by S. I. Zubovitch, S. I. Poljak.  
RUSSIAN, per, Dokl. Ak. Nauk SSSR, Ser. Math.  
Vol 191, No 6, 1970, pp ~~1220-1223~~. AP 1220-1223  
The American Mathematical Society  
Vol. 11, No 2, 1970

JPRS 51131

Oct 70

*Ideally Observable Systems*, by N. S. Mikhal'skii.  
RUSSIAN, per, Dok Ak Nauk SSSR, Ser Math.  
Vol 191, No 6, 1970, pp 1224-1227.  
The American Mathematical Society  
Vol 11, No 2, 1970

Oct 70

A Theorem on Homeomorphisms for General  
Elliptic Boundary-Value Problems with Nonnormal  
Boundary Conditions, by Ja. A. Istit'berg.  
RUSSIAN, per: Dokl Ak Nauk SSSR, Ser. Mat.  
Vol 191, No 6, 1970, pp 1228-1231,  
The American Mathematical Society  
Vol 11, No 2, 1970

Oct 70

Integrals of Multipliers for Pseudodifferential  
Operators in  $L_p$  by E. Tol'ner.

RUSSIAN, per. ~~Int Ak Nauk SSSR, Ser Math.~~

Vol 191, No 6, 1970, pp 1232-1236.

The American Mathematical Society

Vol 11, No 2, 1970

Oct 70

The Spectrum of Uniform Homologies, by  
S. S. Tikhonova.

RUSSIAN, per. Dokl. Akad. Nauk SSSR, Ser. Math.  
Vol 191, No 6, 1970, pp 1235-1237.

The American Mathematical Society

Vol 11, No 2, 1970

~~XXXXXXXXXX~~  
Oct 70

Topological Structure of Normally Solvable  
Elliptic Operators with Constant Coefficients  
in the Plane, by P. A. Frel'sv.  
RUSSIAN, per, ~~Mat. Ak. Nauk SSSR, Ser. Math.~~  
Vol 191, No 6, 1970, pp 1237-1240,  
The American Mathematical Society  
Vol 11, No 2, 1970

Oct 70

Some Pathological Maximal Ideals in the Measure  
Algebra of a Compact Group, by Edwin H. Juit,

Dona Makinuf,

RUSSIAN, per, Dok Ak Nauk SSSR, Ser Math.

Vol 191, No 6, 1970, pp 1241-1243.

The American Mathematical Society

Vol 11, No 2, 1970

Oct 70

On the Uniqueness of a Solution of the Cauchy  
Problem for a Second Order Equation with  
Variable Coefficients, by N. M. Gaus.  
RUSSIAN, per. Dokl Ak Nauk SSSR, Ser Math.  
Vol 191, No 6, 1970, pp 1244-1246.  
The American Mathematical Society  
Vol 11, No 2, 1970

Oct 70

Finite Control and Controllability in Distributed  
Systems, by A. G. Rukhovich.

RUSSIAN, per: Dok Ak Nauk SSSR, Phys, Vol 191,  
No 6, 1970, pp 1247-1248.

The Am Inst of Phys  
Vol 15, No 4, Oct 1970

JPRS 51131

Oct 70

The Equations of Nonlinear Elasticity in  
Displacements, by G. S. Taras'ev.  
RUSSIAN, per, Dok Ak Nauk SSSR, Phys, Vol 191,  
No 6, 1970, pp 1249-1252.  
The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

An Asymptotic Method in the Theory of Nonlinear  
Oscillations of Distributed Systems, by

M. I. Rabinovich.

RUSSIAN, per: Dokl Akad Nauk SSSR, Phys, Vol 191,  
No 6, 1970, pp 1253-1256.

The Am Inst of Phys  
Vol 15, No 8, Oct 1970

Oct 70

**Certain Oscillations in Resonators with Curved  
Mirrors, by V. P. Rylov.**

**RUSSIAN, per, Dok Ak Nauk SSSR, Phys, Vol 191,  
No 6, 1970, pp 1257-1259.**

**The Am Inst of Phys  
Vol 15, No 4, Oct 1970**

**Oct 70**

Scattering of an Ion Beam by Turbulent Plasma  
Oscillations, by V. S. Leyden.  
SOVIET JOURNAL OF THEORETICAL AND EXPERIMENTAL PHYSICS, Vol 191,  
No 6, 1970, pp 1260-1263.  
The Am Inst of Phys  
Vol 15, No 4, Oct 1970

**Experimental Study of Low-Frequency Oscillations  
in a Bounded Low-Pressure Plasma in a Magnetic  
Field, by L. L. Pincus.**

**RUSSIAN, per, Int. J. High Press. Phys., Vol 191,  
No 6, 1970, pp 1263-1264.**

**The Am Inst of Phys  
Vol 15, No 4, Oct 1970**

Oct 70

Gas-Dynamic Molecular Laser with Optical Pumping,  
by V. A. Estanov.  
RUSSIAN, DOI Ak Nauk SSSR, Phys, Vol 191,  
No 6, 1970, pp 1267-1269.  
The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

Effect of Heating Rate on Decarboxylation of  
Titanium-Vanadium Martensite, by  
S. G. Fedotov.  
RUSSIAN, pub. Dokl Ak Nauk SSSR, Phys, Vol 191,  
No 6, 1970, pp 1270-1273.  
The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

Rhythmic Growth of New Phase in Potassium  
Nitrate, by M. G. Asadov.  
RUSSIAN,  Докл. Akad. Nauk SSSR, Phys, Vol 191,  
No 6, 1970, pp 1260-1261.  
The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

Crystal Structure of Cobalt (III) Isothiocyanato-  
Dinitro-(Ethylenediamine)-Amine, by  
V. N. Biryukhin.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys, Vol 191,  
No 6, 1970, pp 1282-1285.

The Am Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70

Synthesis and Crystallographic Investigation of  
Oxytungstate Chlorides of the Composition  
 $\text{La}_3\text{W}_2\text{O}_{13}\text{Cl}_3$  (La-Ce, Pr, Nd), by L. Ya. Kharchanok.  
RUSSIAN,  Док. Ak. Nauk SSSR, Phys., Vol 191,  
No 6, 1970, pp 1286-1288.  
The Amer Inst of Phys  
Vol 15, No 4, Oct 1970

Oct 70